

AMENDMENTS TO THE CLAIMS:

Claim 1 (Currently amended): A method of fabricating a substrate with color filter, comprising the steps of:

(a) providing a substrate;

(b) forming a color filter above the substrate, wherein the color filter comprises color portions adjacent to opening portions;

(c) filling the opening portions in the color filter; and

(d) planarizing the ~~color filter~~ colored portions with respect to the filled opening portions.

Claim 2 (Canceled)

Claim 3 (Currently amended): The method as claimed in claim ~~2~~ 1, wherein the color filter substrate is of the transfective type, and wherein the colored portions and the opening portions correspond to transmissive areas and reflective areas of the color filter substrate respectively.

Claim 4 (Currently amended): The method as claimed in claim ~~2~~ 1, wherein the step of forming the color portions comprises the steps of spin-coating color photoresists and applying lithographic process to define the color portions.

Claim 5 (Currently amended): The method as claimed in claim ~~2~~ 1, wherein the filling step comprises the step of forming a layer of transparent material over the colored portions and

filing the opening portions, and wherein the planarizing step comprises planarizing the colored portions with respect to the opening portions.

Claim 6 (Original): The method as claimed in claim 5, wherein the step of forming the layer comprises the step of spin-coating.

Claim 7 (Original): The method as claimed in claim 5, wherein the layer comprises one of a transparent resist material, a transparent light-sensitive material and a heat sensitive material.

Claim 8 (Original): The method as claimed in claim 1, further comprising the step of forming an electrode layer overlying above the color filter.

Claim 9 (Original): The method as claimed in claim 8, wherein the electrode layer is a transparent conductive film.

Claim 10 (Original): The method as claimed in claim 9, further comprising the step of forming a plurality of spacers on the electrode layer.

Claim 11 (Original): The method as claimed in claim 10, wherein the spacers are formed, comprising the steps of spin-coating photoresist and applying photolithographic process to define the spacers.

Claim 12 (Original): The method as claimed in claim 1, wherein the planarizing step comprises the step of polishing.

Claim 13 (Original): The method as claimed in claim 12, wherein the polishing step comprises the step(s) of performing a chemical mechanical polishing (CMP).

Claim 14 (Original): The method as claimed in claim 1, wherein the color filter forming step forms a color filter that comprises color portions that are uneven, and the planarizing step comprises planarizing the color portions to obtain an even surface.

Claim 15 (Original): The method as claimed in claim 14, wherein the colored portions extend over underlying structures on the substrate, thereby causing unevenness in the colored portions.

Claim 16 (Original): The method as claimed in claim 15, further comprising the step of forming light blocking portions adjacent to colored portions on the substrate, wherein the underlying structures comprise the light blocking portions, and wherein the colored portions extends over the light blocking portions.

Claim 17 (Original): The method as claimed in claim 16, wherein the light blocking portions is formed prior to forming the adjacent colored portions.

Claim 18 (Original): The method as claimed in claim 16, wherein the planarizing step does not expose the underlying light blocking portions.

Claim 19 (Original): A color filter fabricated in accordance with the method of claim 1.

Claim 20 (Original): A method of fabricating a liquid crystal display panel, comprising the steps of:

forming a color filter substrate using the method of claim 1;

providing a liquid crystal display element;

providing an array substrate; and

assembling the color filter substrate and the array substrate with liquid crystal layer therebetween.

Claim 21 (Original): A liquid crystal display panel fabricated in accordance with the method of claim 20.

Claim 22 (Original): A liquid crystal display device, comprising:

a liquid crystal display panel of claim 21; and

a controller coupled to the liquid crystal display panel to control the liquid crystal display panel to render an image in accordance with an input.

Claim 23 (Original): An electronic device, comprising:

a liquid crystal display device of claim 22; and

input device coupled to the controller of the liquid crystal display to render an image.